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Attorney's Docket No. 016660-209**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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| In re Patent Application of |) | |
| Yick Ming Yeung et al. |) | Group Art Unit: 2621 |
| Application No.: 10/790,234 |) | Examiner: Unassigned |
| Filed: March 2, 2004 |) | Confirmation No.: 9849 |
| For: EFFICIENT RATE ALLOCATION FOR |) | |
| MULTI-RESOLUTION CODING OF |) | |
| DATA |) | |
| |) | |
| |) | |
| |) | |

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying copies of references cited in the specification are being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

In addition to the accompanying references, the specification contains citations to the ISO/IEC standards for the JPEG 2000 Image Coding System. Parts 1 and 2 of the ISO specification, combined, are over 600 pages long and are not being submitted herewith, since it is believed that the standards, per se, are not material to the patentability of the claimed subject matter. A copy of the standards can be made available in electronic format for the Examiner's convenience. Applicants respectfully request that the Examiner contact the undersigned if an electronic version is desired. If required, a paper copy of the entire specifications can also be provided.

FIRST Information Disclosure Statement

Application No. 10/790,234

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To assist the Examiner in making the references of record, the accompanying documents are listed on the attached form PTO-1449. It is respectfully requested that an initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date August 23, 2004

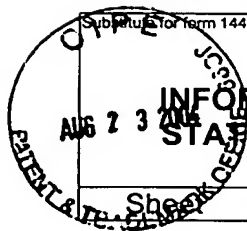
By: _____



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Substitute for form 1449A/PTO & 1449B/PTO

**FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

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| Application Number | 10/790,234 |
| Filing Date | March 2, 2004 |
| First Named Inventor | Yick Ming Yeung et al. |
| Examiner Name | Unassigned |
| Attorney Docket Number | 016660-209 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
|-------------------|-----------------|----------------------|---|-------------------------------------|
| | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Document Number | Kind Code (if known) | Country | Date of Publication (MM-DD-YYYY) | STATUS | | | | | | |
|-------------------|-----------------|----------------------|---------|----------------------------------|-------------|---------------------|--------------------|---------------|------|----------|---------------|
| | | | | | Translation | Partial Translation | Eng. Lang. Summary | Search Report | IPER | Abstract | Cited in Spec |
| | | | | | | | | | | | |

NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|---|
| | *GREGORY K. WALLACE; The JPEG Still Picture Compression Standard; IEEE Transactions on Consumer Electronics; February 1992; pages xviii-xxxiv; Vol. 38; No. 1. |
| | *CHARILAOS CHRISTOPOULOS et al.; The JPEG2000 Still Image Coding System: An Overview; IEEE Transactions on Consumer Electronics; November 2000; pages 1103-1127; Vol. 46; No. 4. |
| | *DAVID TAUBMAN; High Performance Scalable Image Compression With EBCOT; IEEE Transactions on Image Processing; July 2000; pages 1158-1170; Vol. 9; No. 7. |
| | *JAMES H. KASNER; Universal Trellis Coded Quantization; IEEE Transactions on Image Processing; December 1999; pages 1677-1687; Vol. 8; No. 12. |
| | *TAKAHIKO MASUZAKI et al.; JPEG2000 Adaptive Rate Control For Embedded Systems; Proc. IEEE Int. Sym. On Circuits and Systems; May 2002; pages 333-336; Vol. 4. |
| | *JOHN W. WOODS et al.; A Filter Based Bit Allocation Scheme For Subband Compression of HDTV; IEEE Transactions on Image Processing; July 1992; pages 436-440; Vol. 1; No. 3. |
| | *MICHAEL D. ADAMS et al.; JasPer: A Software-Based JPEG-2000 Codec Implementation; Proc. IEEE Int. Conf. On Image Processing; October 2000; pages 53-56; Vol. 2. |
| | *JEROME M. SHAPIRO; Embedded Image Coding Using Zerotrees of Wavelet Coefficients; IEEE Transactions on Signal Processing; December 1993; pages 3445-3462; Vol. 41; No. 12. |
| | *AMIR SAID et al.; a New, Fast, and Efficient Image Codec Based on Set Partitioning in Hierarchical Trees; IEEE Transactions on Circuits and Systems for Video Technology; June 1996; pages 243-250; Vol. 6; No. 3. |
| | *KUAN-FU CHEN; Analysis and Architecture Design of EBCOT for JPEG-2000; Proc. IEEE Int. Sym. Of Circuits and Systems; May 2001; pages 765-768; Vol. 2. |

***COPY PROVIDED**

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| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.